

Fig. 1a

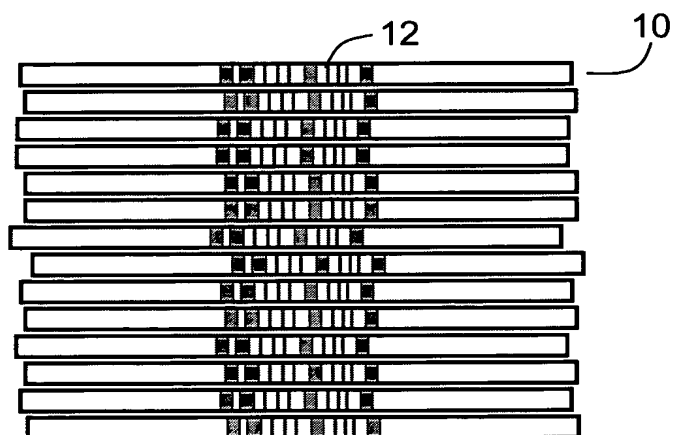


Fig. 1b

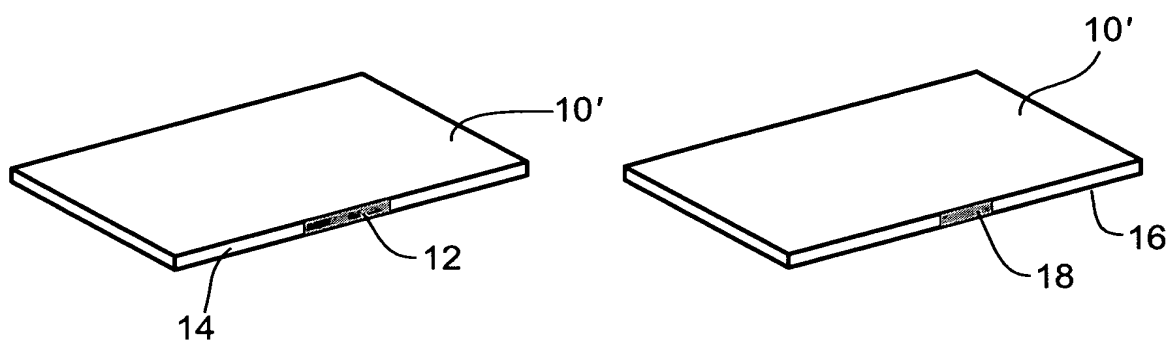


Fig. 2a

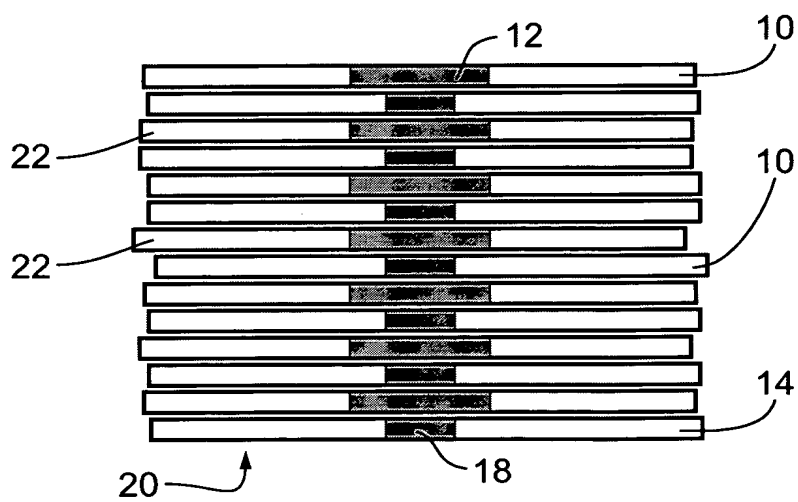


Fig. 2b

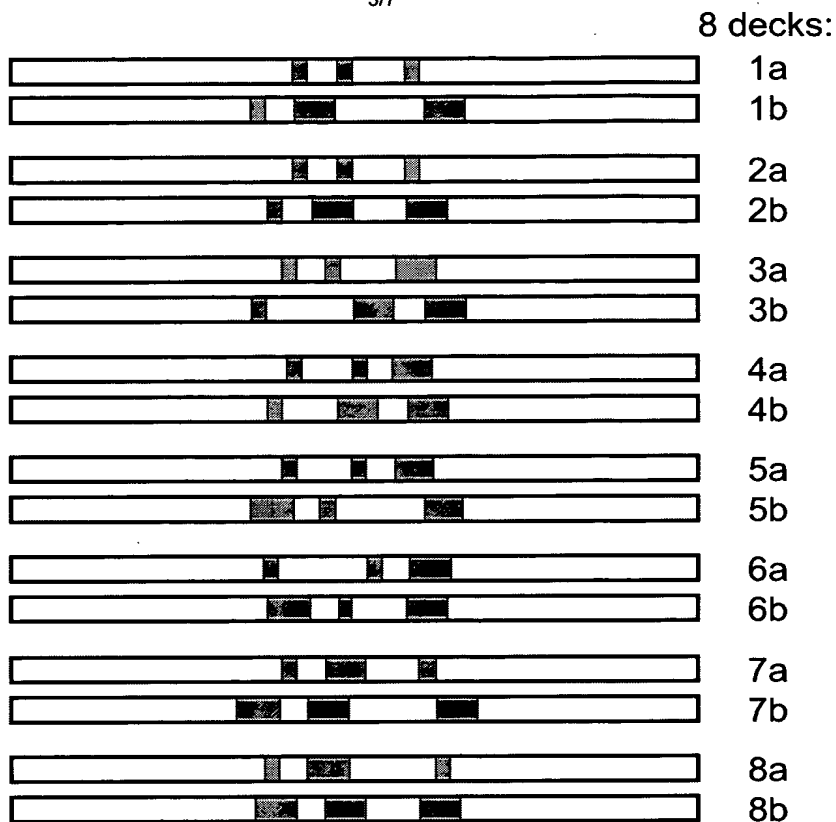
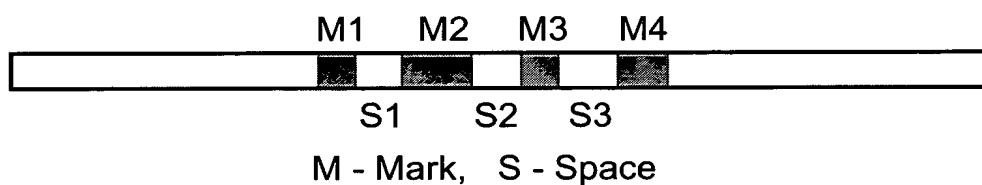


Fig. 3



Deck #	Deck id	M1 width	S1 width	M2 width	S2 width	M3 width	S3 width	M4 width	Pattern
1	1	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2	2	0.8	0.8	0.8	0.8	0.8	0.8	1.6
3	19998	1.6	1.6	1.6	4.0	4.0	4.0	2.4
4	19999	1.6	1.6	1.6	4.0	4.0	4.0	3.2
5	78124	4.0	4.0	4.0	4.0	4.0	4.0	3.2
6	78125	4.0	4.0	4.0	4.0	4.0	4.0	4.0

* All dimensions are in mm

Fig. 4

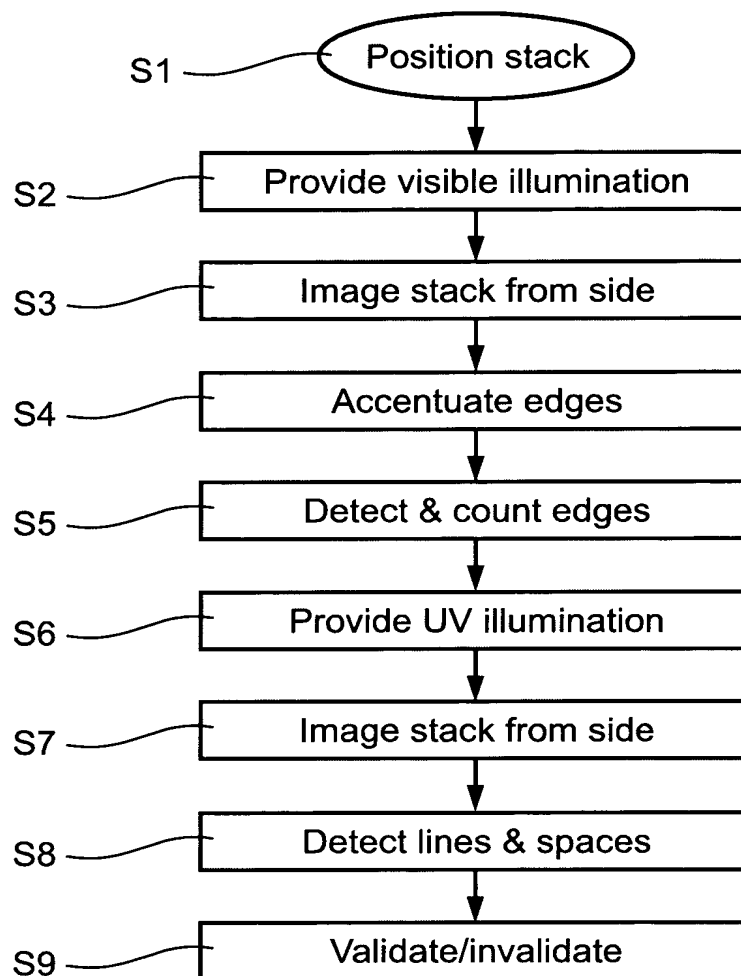


Fig. 5

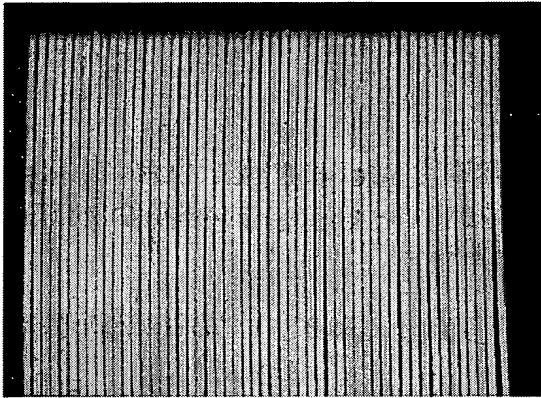


Fig. 6

Image acquired under visible light
(Image acquisition module)

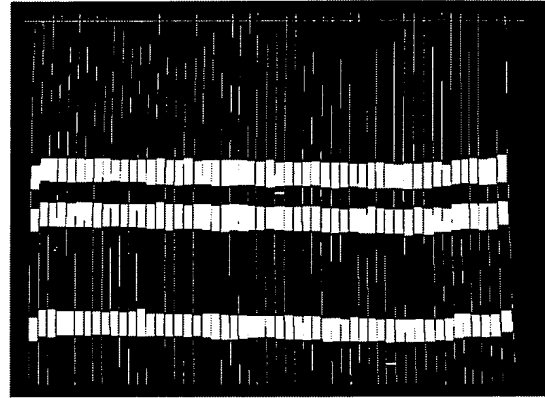


Fig. 8

Image acquired under UV light
(Image acquisition module)

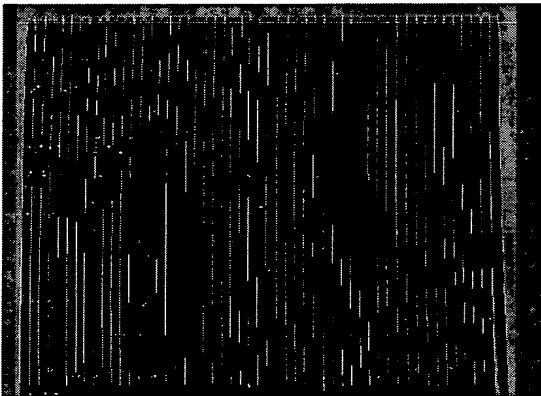


Fig. 7

Card detection and marking
(Counting module)



Fig. 9

Bars and spaces detection
(Validation module)

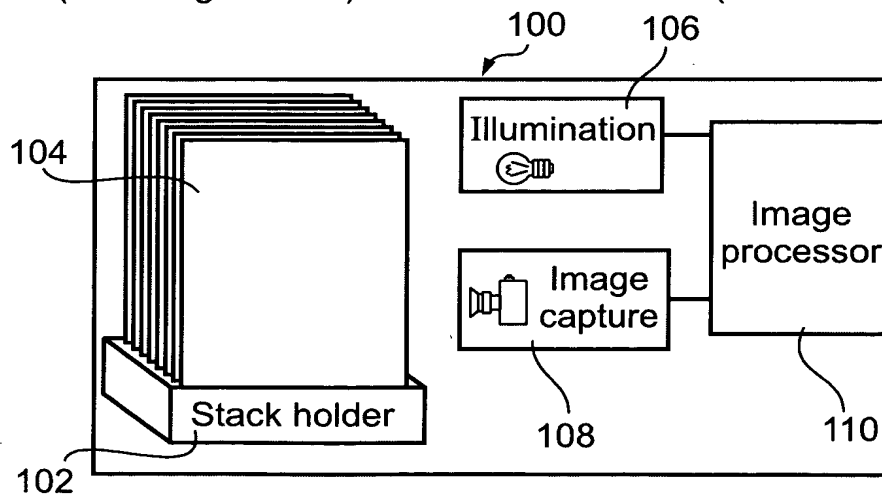


Fig. 10

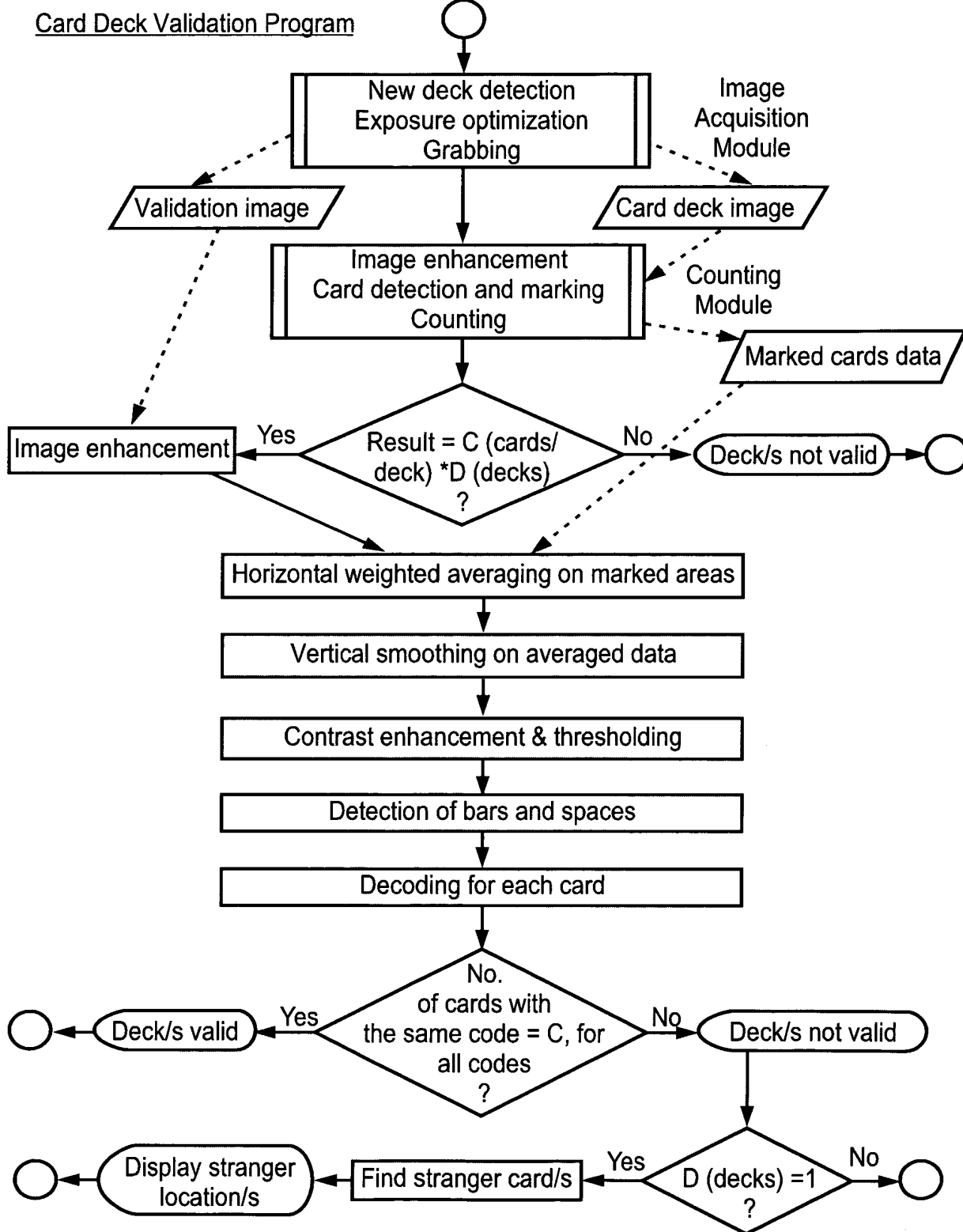


Fig. 11

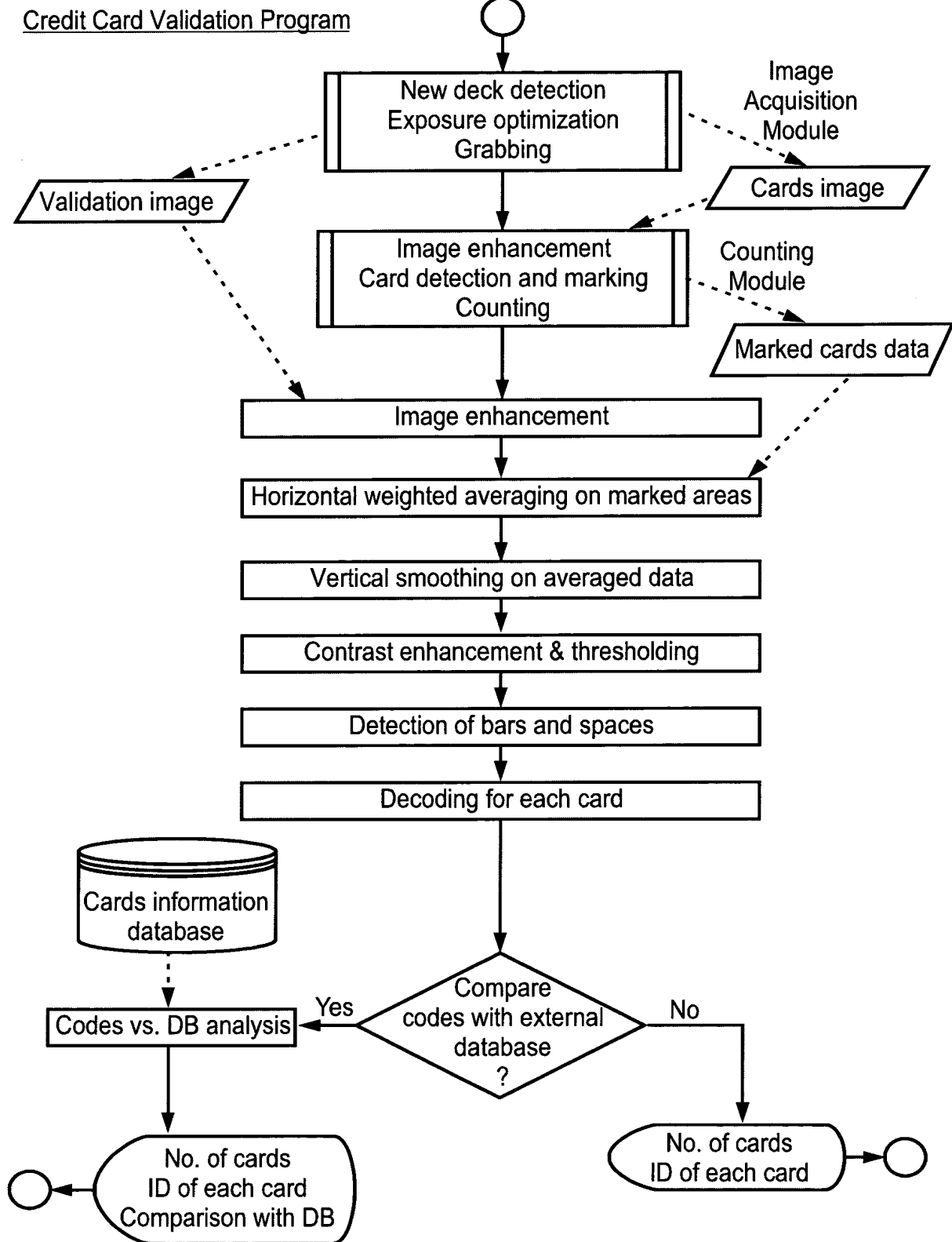


Fig. 12